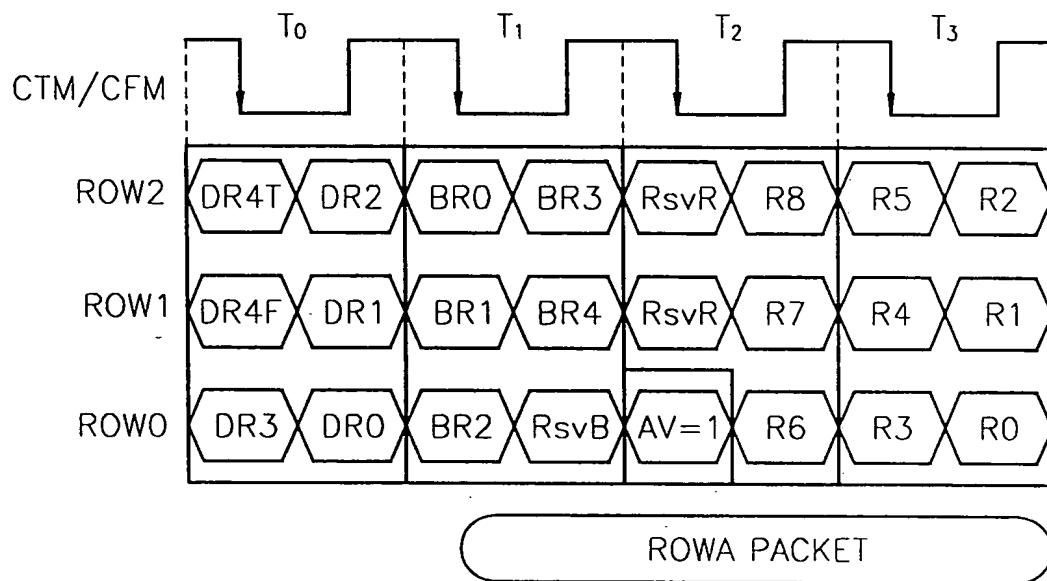
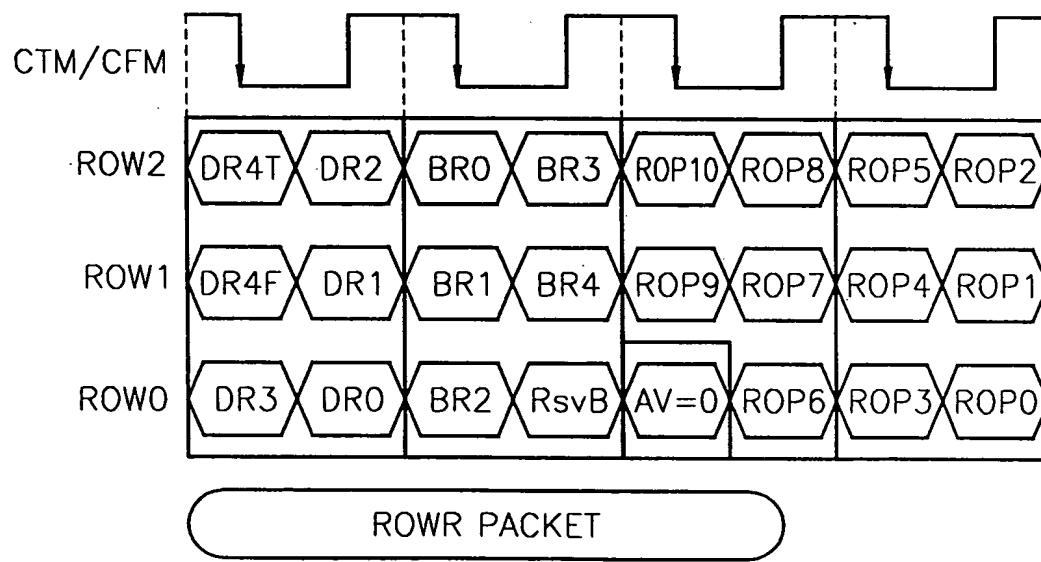


**FIG. 1A**



**FIG. 1B**



**FIG. 2**

ROP10..ROP0 Field										Name	Command Description	
DM	AV	10	9	8	7	6	5	4	3	2:0		
0	0	-	-	-	-	-	-	•••	-	No operation.		
1	1	Row address	ACT	Activate row R8..R0 of bank BR4..BRO of device and move device to ATTN.								
1	0	1	1	0	0	X	X	X	000	PRER	Precharge bank BR4..BRO of this device.	
1	0	0	0	0	1	1	0	0	X	000	REFR	Refresh (activate) row REFR8..REFR0 of bank BR4..BRO of device.
1	0	1	0	1	0	1	0	0	X	000	REFP	Increment REFR if BR4..BRO = 1111 (see Figure).
1	0	X	X	0	0	0	0	1	X	000	PDNR	Precharge bank BR4..BRO of this device after REFA (see Figure).
1	0	X	X	0	0	0	1	0	X	000	NAPR	Move this device into the powerdown (PDN) power state (see Figure).
1	0	X	X	0	0	0	1	0	X	000	NAPR	Move this device into the nap (NAP) power state (see Figure).
1	0	X	X	0	0	0	1	1	X	000	NAPRC	Move this device into the nap (NAP) power state conditionally
1	0	X	X	X	X	X	X	0	000	ATTN	Move this device into the attention (ATTN) power state (see Figure).	
1	0	X	X	X	X	X	X	1	000	RLXR	Move this device into the standby (STBY) power state (see Figure).	
1	0	0	0	0	0	0	0	0	X	001	TCAL	Temperature calibrate this device (see Figure).
1	0	0	0	0	0	0	0	0	X	010	TCEN	Temperature calibrate/enable this device (see Figure).
1	0	0	0	0	0	0	0	0	0	000	NOROP	No operation.

COMMAND LIST OF ROWR PACKETS (COMMAND LIST)

FIG. 3

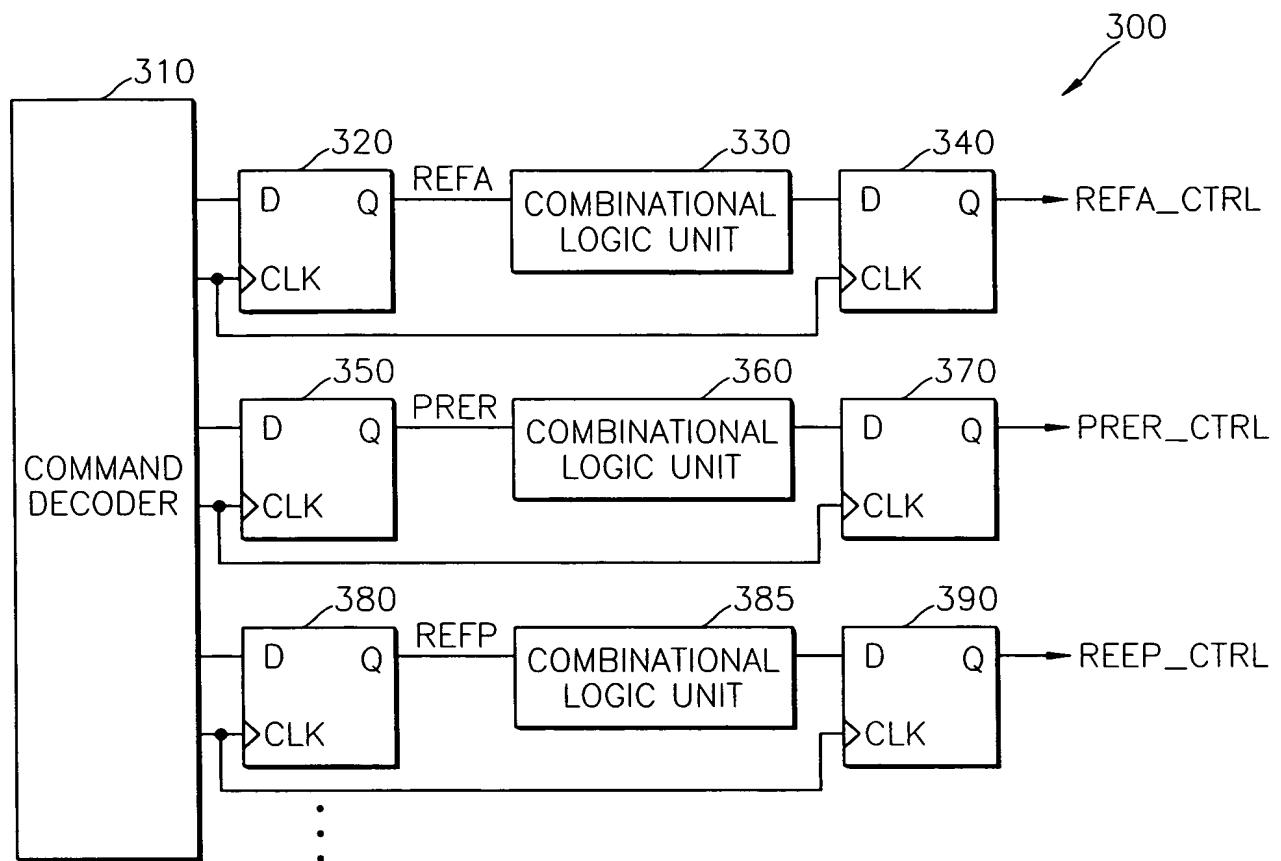
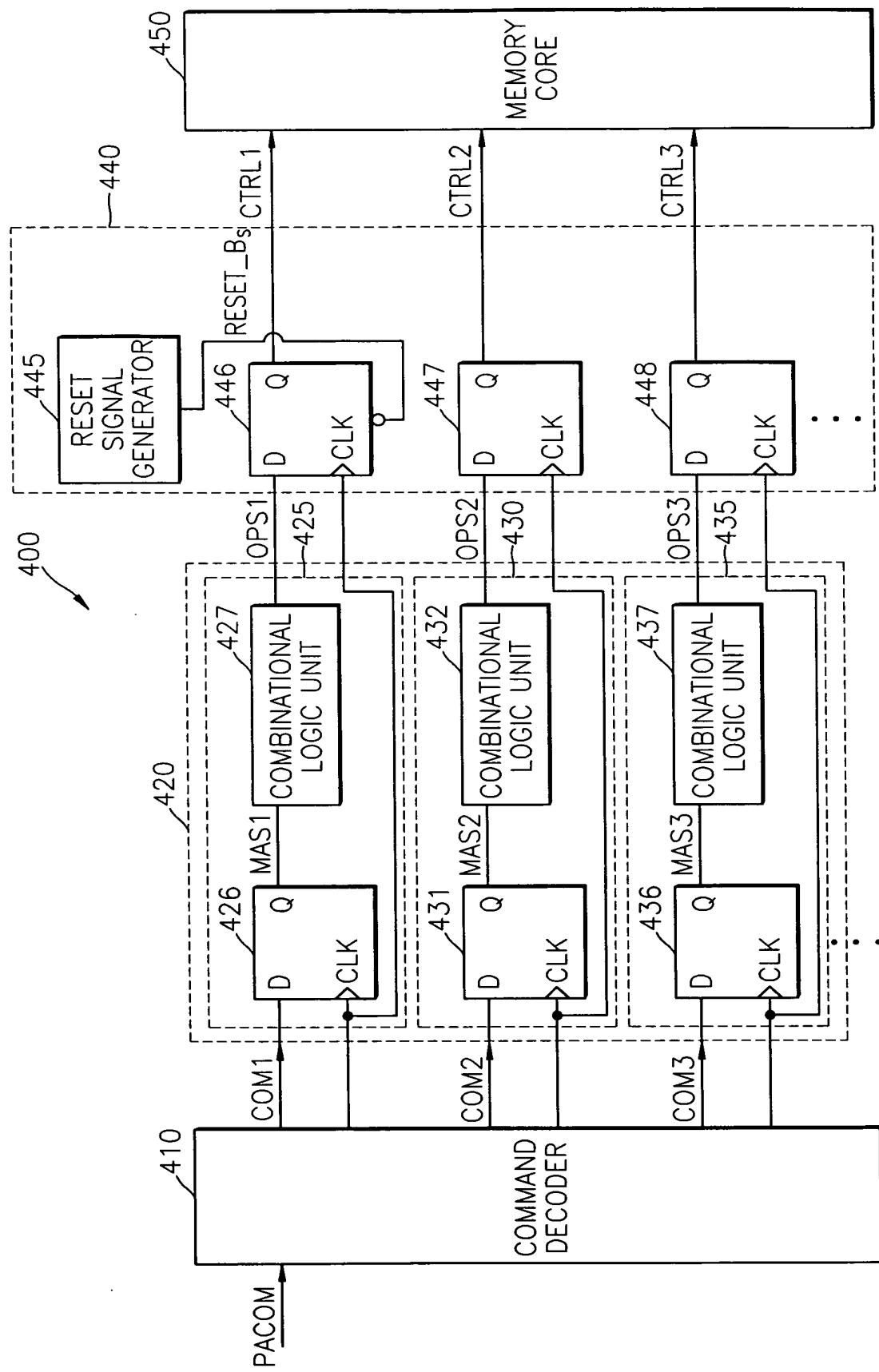
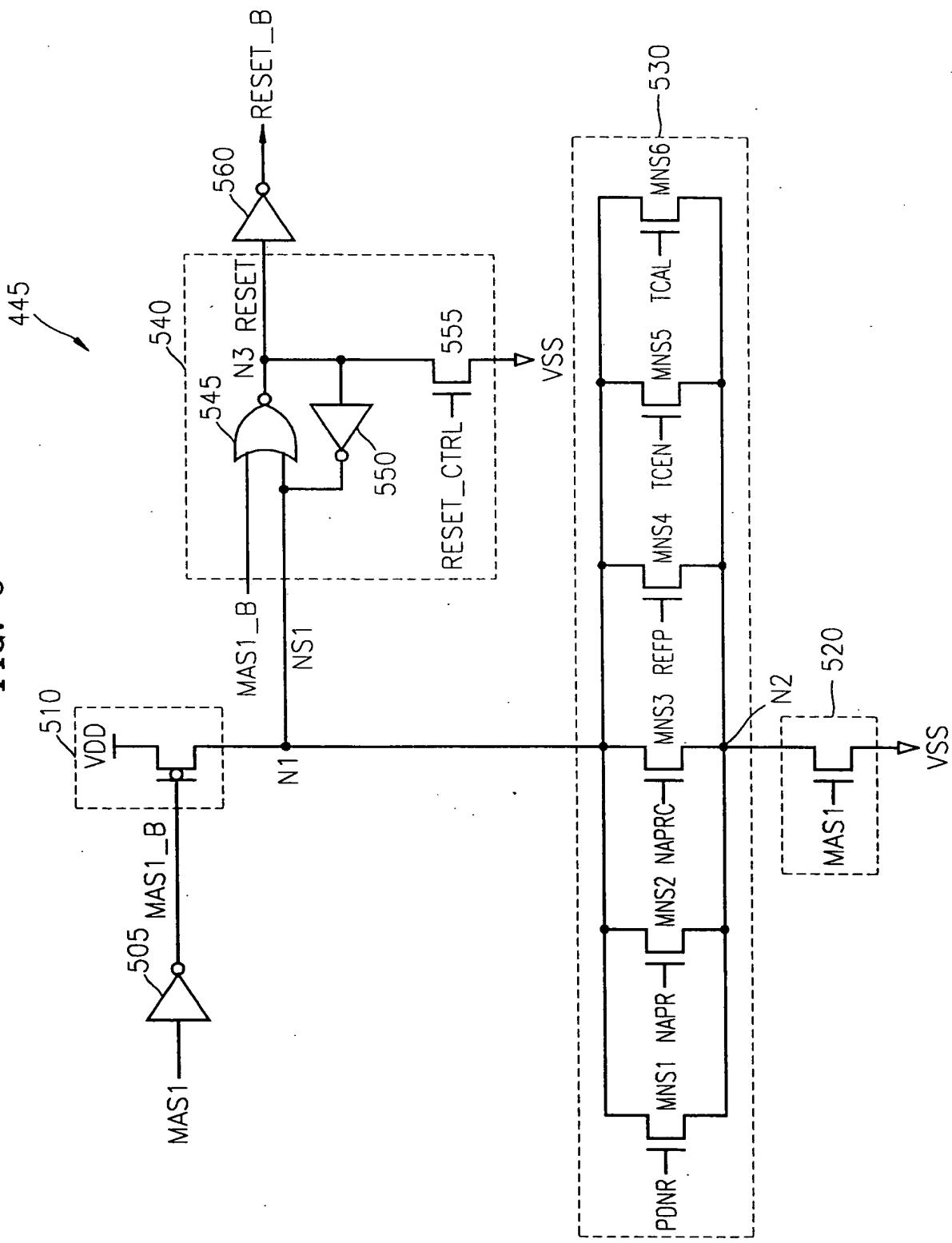


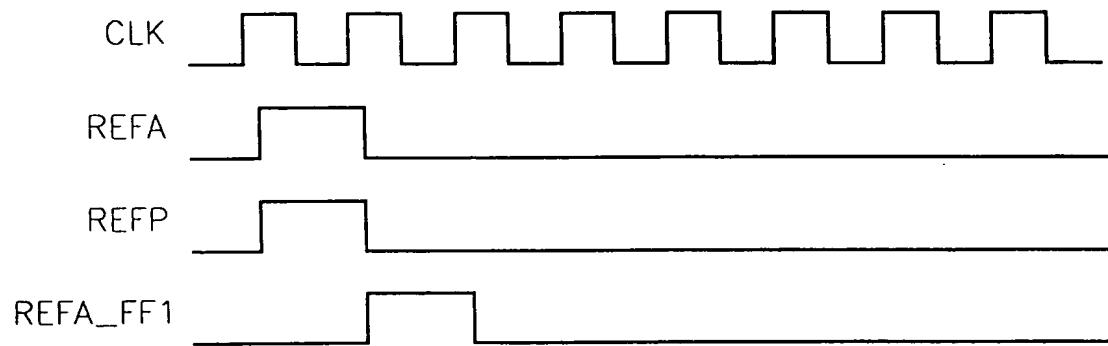
FIG. 4



**FIG. 5**



**FIG. 6**



**FIG. 7**

